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Unsaturated palm, oil fatty alcohols

polication is a Continuation of 09/554,631, filed 07/26/2000, now abandoned, which is a 37/ of

BACK GROUND OF THE INVENTION

Unal/1990

The invention relates to unsaturated fatty alcohols which are obtained by fractionating palm oil fatty acid methyl esters, and then hydrogenating the fraction of unsaturated long-chain methyl esters, and to a process for the preparation of these fatty alcohols.

Q10 Prior art Statement of Related art

are intermediates for a large number of products of the chemical industry, such as, for example, for the preparation of surfactants and skincare products. A review on this topic can be found, for example, by U. Ploog et al. in Seifen-Öle-Fette-Wachse [Soaps-Oils-Fats-Waxes] 109, 225 (1983). They are prepared from more or less unsaturated fatty acid methyl esters which can be hydrogenated, for example, in the presence of chromium- or zinc-containing mixed catalysts [Ullmann's Encyclopedia of Industrial Chemistry, Verlag Chemie, Weinheim, 4th Edition, Vol. 11, p. 436 ff]. The prior art is a large-scale process, as has hitherto also been carried out by the applicant, according to which animal fats and oils are used, and the unsaturated fatty alcohols produced after the hydrogenation are distilled at a still temperature of e.g. 220 to 250°C and a reduced pressure of from 1 to 20 mbar - measured at the top of the column. Since the preparation of unsaturated associated with high is fatty alcohols distillation has been carried out with as low a raw material loss as possible. In fact, in this way, it was possible to achieve a yield of about 90% of theory, and correspondingly a loss of 10%, although the products intrinsic odor. Α further marked exhibited disadvantage is that the fatty alcohols of the prior art have unsatisfactory storage and low-temperature behavior.